MATH 120 (Washington)  Spring 2018  Sections 0411-0442

Lectures: ESJ 0224  TuTh 12:30 - 1:45

Lecturer: Larry Washington  Office: Math 4415  Phone: (301)405-5116  e-mail: lcw@math.umd.edu
Office hours: Monday 10:30am-11:30am and Thursday 11:00am - 12:15pm
Course web page: http://math.umd.edu/~lcw/120.html. Course announcements will be on Elms.

Teaching Assistants:
Mark Wymer  Office: MTH0209  e-mail: mwymer@math.umd.edu
Sections 0411, 0421, 0431, 0441  Room: ESJ 2212

Kung-Ching Lin  Office: MTH2119  e-mail: kclin@math.umd.edu
Sections 0412, 0422, 0432, 0442  Room: ESJ 2212

Description: An introduction to calculus for students in the social and management sciences, business, and architecture. Applications of calculus form an important part of the course.

Text: Calculus and its Applications, 14th ed., by Goldstein, Lay, Schneider, and Asmar (required)

Topics: (in Calculus and its Applications)

Chapter 1: Derivatives  4 lectures
Chapter 2: Applications of derivatives  4 lectures
Chapter 3: Techniques of differentiation  1 lectures
Chapter 4: Exponentials and logarithms  2 lectures
Chapter 5: Applications of exp. and log.  4 lectures
Chapter 6: Integration  4 lectures
Chapter 7: Functions of several variables  3 lectures

Exams: February 22, April 5, May 3.

Each student must bring her or his University picture ID card to the exams. Makeup exams will not be given unless a student can present substantial evidence that an absence was caused by serious illness, a death in the immediate family, religious observance, participation in University activities at the request of University authorities, or compelling circumstances beyond the student’s control. If the absence is caused by foreseeable circumstances, notice must be given in advance in order to be allowed to take a makeup exam. Students who do not provide adequate documentation for their absence will receive a score of zero for the exam. Each exam is worth 100 points and will last 75 minutes.

For more on University policies for absences and many other issues, see http://www.ugst.umd.edu/documents/CourseRelatedPolicies.pdf

Calculators are not allowed during exams and quizzes. Smart watches, etc., may not be worn during exams and quizzes.

Homework: Homework is on-line using MyMathLab. At the end of the term, the total homework score will be converted to a 50-point basis.

Quizzes: Most Discussion sections will have with a short 10-minute quiz. The questions on the quiz will be identical to MyMathLab questions, except possibly with different numbers. The sections for the quiz are listed on the Course Schedule. Usually the sections are those covered in the previous week’s lectures. At the end of the term, the lowest two quizzes will be dropped and the total quiz score for the remaining quizzes will be converted to a 100-point basis. The rules for makeup quizzes are the same as those listed above for exams.

Lecture Questions: During many lectures, there will be “clicker” questions (using the Turning Point software). Scores on these will be based more on participation than on correctness. Students should bring the appropriate electronic device (smart phone, laptop, tablet, etc.) to each lecture. At the end of the term, the total score for these activities will be converted to a 50-point basis.

Recording Lectures: After the initial week, it is planned to record the classes in the lecture room (ESJ 0224) and make the recordings available on Elms. Details will be announced when this is set up.

Final Exam: Saturday, May 12, 1:30-3:30pm. You must bring your University picture ID to the final. The final exam will last 2 hours.

Grading
Midterms: 100 points each
Quizzes: 100 points total
Lecture questions: 50 points total
Homework: 50 points total
Final exam: 200 points
The lowest one of the following will be subtracted from the total: 1/2 of the lowest midterm score, 1/2 the quiz total, the lecture questions, the homework, 1/4 of the final exam score.
The total possible score for the course is 650 points. Grades will be assigned approximately as follows: $A$: 90% - 100%, $B$: 80% - 89%, $C$: 70% - 79%, $D$: 60% - 69%, $F$: $\leq$ 59%. Plus and Minus grades will be used.

**Calculators:** Calculators and smart phones and watches will not be allowed for quizzes and exams. They may be used for other in-class activities and for homework.

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**Math 120, Spring 2018**

**Schedule of book sections to be covered**

(subject to adjustment if there are snow days, etc.)

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<th>Week</th>
<th>Tuesday</th>
<th>Wednesday Discussion</th>
<th>Thursday</th>
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<tr>
<td>1/22 - 1/26</td>
<td>Intro</td>
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<td>1/29 - 2/2</td>
<td>1.3, 1.6</td>
<td>Quiz: 1.1, 1.2</td>
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<td>2/5 - 2/9</td>
<td>1.8</td>
<td>Quiz: 1.3, 1.6, 1.7</td>
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<tr>
<td>2/12 - 2/16</td>
<td>2.3</td>
<td>Quiz: 1.8, 2.1, 2.2</td>
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<tr>
<td>2/19 - 2/23</td>
<td>Review</td>
<td>Review</td>
<td>Exam 1</td>
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<tr>
<td>2/26 - 3/2</td>
<td>2.6</td>
<td>No Quiz</td>
<td>3.1</td>
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<tr>
<td>3/5 - 3/9</td>
<td>4.1, 4.2, 4.3</td>
<td>Quiz 2.6, 2.7, 3.1</td>
<td>4.4, 4.5, 4.6</td>
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<tr>
<td>3/12 - 3/16</td>
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<td>Quiz: 4.1, 4.2, 4.3, 4.4, 4.5, 4.6</td>
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<td>3/26 - 3/30</td>
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<td>5.3, 5.4</td>
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<td>Review</td>
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<td>Quiz: 6.1, 6.2, 6.3</td>
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<td>7.2, 7.3</td>
<td>Quiz: 6.4, 6.5, 7.1</td>
<td>7.4</td>
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<tr>
<td>4/30 - 5/4</td>
<td>Review</td>
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<tr>
<td>5/7 - 5/11</td>
<td>Review</td>
<td>Review</td>
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**FINAL EXAM:** Saturday, May 12, 1:30pm - 3:30pm

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1/23/2018